

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 C.F.R. § 3.73(b), Zalicus Pharmaceuticals Ltd., a corporation, certifies that it is the assignee of 100% of the right, title, and interest in the patent applications identified in attached Appendix A by virtue of assignments from the inventors of the applications. The assignments were recorded in the Patent and Trademark Office at Reel and Frame Numbers shown in column H on date shown in column I.

The Applicant notes that two name changes have also been recorded. The first name change from Neuromed Technologies Inc. to Neuromed Pharmaceuticals Ltd. was recorded in the Patent and Trademark Office at Reel and Frame Numbers shown in column K on date shown in column L.

The second name change from Neuromed Pharmaceuticals Ltd. to Zalicus Pharmaceuticals Ltd. was recorded in the Patent and Trademark Office at Reel and Frame Number 024990/0430 on September 15, 2010.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

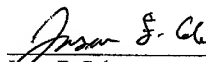
The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the applications and appoints the attorneys and/or agents of Clark & Elbing LLP, associated with customer number **21559**, with full power of substitution and revocation, to prosecute the applications and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding these applications should be sent to the address associated with customer number **98363**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: 9/23/10

  
\_\_\_\_\_  
Jason F. Cole  
Senior Vice President and General  
Counsel  
Zalicus Pharmaceuticals Ltd.

APPENDIX A

| A           | B          | C          | D          | E   | F   | G  | H           | I           | J  | K           | L           |
|-------------|------------|------------|------------|---|---|--|-------------|-------------|--|-------------|-------------|
| FILING DATE | SERIAL NO. | PATENT NO. | ISSUE DATE | INVENTORS                                 | ASSIGNOR  | ASSIGNEE INFORMATION<br>(CHANGE OF NAME) | REPLY/NAME  | RECORD DATE | ASSIGNEE INFORMATION<br>(CHANGE OF NAME) | REPLY/NAME  | RECORD DATE |
| 6/29/1998   | 09107037   | 6011035    | 1/4/2000   | Terrance Snutch, Gerald<br>Werner Zamponi | SNUTCH, TERRANCE P.<br>Exec Dt: 09/20/1998<br>ZAMPONI, GERALD WERNER<br>Exec Dt: 09/09/1998 | NEUROMED TECHNOLOGIES<br>INC.            | 105247/0887 | 9/21/1998   | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |
| 9/23/1998   | 09461699   | 6294333    | 9/29/2001  | Terrance Snutch, Gerald<br>Werner Zamponi | SNUTCH, TERRANCE P.<br>Exec Dt: 01/11/2000<br>ZAMPONI, GERALD W.<br>Exec Dt: 01/06/2000     | NEUROMED TECHNOLOGIES<br>INC.            | 010524/0239 | 2/22/2000   | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |
| 11/16/2006  | 11601005   | 7668805    | 2/23/2010  | Terrance Snutch, Gerald<br>Werner Zamponi | SNUTCH, TERRANCE P.<br>Exec Dt: 09/20/1998<br>ZAMPONI, GERALD WERNER<br>Exec Dt: 09/09/1998 | NEUROMED<br>PHARMACEUTICALS LTD.         | 018820/0314 | 1/25/2007   |  |             |             |
| 12/18/1998  | 09215783   | 6327945    | 7/31/2001  | Gerald Werner Zamponi                     | ZAMPONI, GERALD W.<br>Exec Dt: 09/07/2006   | NEUROMED<br>PHARMACEUTICALS LTD.         | 018454/0885 | 10/30/2006  |  |             |             |
| 12/30/1999  | 09476938   | 6310059    | 10/30/2001 | Terrance Snutch                           | SNUTCH, TERRANCE P.<br>Exec Dt: 03/30/2000  | NEUROMED TECHNOLOGIES<br>INC.            | 010758/0380 | 4/4/2000    | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |
| 12/30/1999  | 09476939   | NA         | NA         | Terrance Snutch                           | SNUTCH, TERRANCE P.<br>Exec Dt: 03/30/2000  | NEUROMED TECHNOLOGIES<br>INC.            | 010746/0340 | 4/13/2000   | NEUROMED<br>PHARMACEUTICALS LTD.         | 024855/0654 | 9/9/2010    |
| 3/16/2001   | 09818063   | 6493375    | 12/10/2002 | Terrance Snutch, Gerald<br>Werner Zamponi | SNUTCH, TERRANCE P.<br>Exec Dt: 02/07/2002<br>ZAMPONI, GERALD W.<br>Exec Dt: 02/11/2002     | NEUROMED TECHNOLOGIES<br>INC.            | 012845/0262 | 4/23/2002   | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |
| 11/30/1999  | 09476927   | 6387897    | 5/14/2002  | Terrance Snutch                           | SNUTCH, TERRANCE P.<br>Exec Dt: 03/30/2000  | NEUROMED TECHNOLOGIES<br>INC.            | 010758/0328 | 4/7/2000    | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |
|             |            |            |            |   | SNUTCH, TERRANCE P.<br>Exec Dt: 02/07/2002<br>ZAMPONI, GERALD W.<br>Exec Dt: 02/11/2002     | NEUROMED TECHNOLOGIES<br>INC.            | 013866/0613 | 9/19/2003   |  |             |             |
| 1/29/2002   | 10069000   | 6617322    | 9/9/2003   | Terrance Snutch                           | SNUTCH, TERRANCE P.<br>Exec Dt: 02/07/2002<br>ZAMPONI, GERALD W.<br>Exec Dt: 02/07/2002     | NEUROMED TECHNOLOGIES<br>INC.            | 024933/0605 | 9/9/2010    | NEUROMED<br>PHARMACEUTICALS LTD.         | 018059/0664 | 8/11/2006   |

## APPENDIX A

Attorney Docket No. : 50758/001001

|            |          |         |           |  |   |                               |              |            |                               |              |           |
|------------|----------|---------|-----------|--|---|-------------------------------|--------------|------------|-------------------------------|--------------|-----------|
| 4/8/2003   | 10409763 | 6951882 | 10/4/2005 | Terrence Snutch, Gerald Zamponi, Hassan Paljouhesh, Hossein Paljouhesh, Francesco Belardetti | SNUTCH, TERRANCE P.<br>Exec Dt: 08/26/2003<br>ZAMPOINI, GERALD W.<br>Exec Dt: 02/09/2003<br>PALJOUESH, HASSAN<br>Exec Dt: 08/27/2003<br>PALJOUESH, HOSSEIN<br>Exec Dt: 08/27/2003<br>BELARDETTI, FRANCESCO<br>Exec Dt: 08/27/2003 | NEUROMED TECHNOLOGIES, INC.   | 01/13/2008   | 12/31/2003 | NEUROMED PHARMACEUTICALS LTD. | 01/8059/0664 | 8/11/2006 |
| 12/29/2003 | 10746932 | 6949834 | 9/27/2005 | Terrence Snutch, Gerald Zamponi, Hassan Paljouhesh, Hossein Paljouhesh, Francesco Belardetti | SNUTCH, TERRANCE P.<br>Exec Dt: 08/26/2003<br>ZAMPOINI, GERALD W.<br>Exec Dt: 02/02/2003<br>PALJOUESH, HASSAN<br>Exec Dt: 08/27/2003<br>PALJOUESH, HOSSEIN<br>Exec Dt: 08/27/2003<br>BELARDETTI, FRANCESCO<br>Exec Dt: 08/27/2003 | NEUROMED TECHNOLOGIES, INC.   | 02/0931/0306 | 9/3/2010   | NEUROMED PHARMACEUTICALS LTD. | 01/8059/0664 | 8/11/2006 |
| 12/29/2003 | 10746933 | 7064128 | 6/20/2006 | Terrence Snutch, Gerald Zamponi  | SNUTCH, TERRANCE P.<br>Exec Dt: 05/14/2004<br>ZAMPOINI, GERALD W.<br>Exec Dt: 05/19/2004  | NEUROMED TECHNOLOGIES, INC.   | 01/6881/0537 | 6/5/2004   | NEUROMED PHARMACEUTICALS LTD. | 01/8059/0664 | 8/11/2006 |
| 8/29/2005  | 11214218 | NA      | NA        | Terrence Snutch, Gerald Zamponi, Hassan Paljouhesh, Hossein Paljouhesh, Francesco Belardetti | SNUTCH, TERRANCE P.<br>Exec Dt: 09/08/2006<br>ZAMPOINI, GERALD W.<br>Exec Dt: 09/07/2006<br>PALJOUESH, HASSAN<br>Exec Dt: 09/08/2006<br>PALJOUESH, HOSSEIN<br>Exec Dt: 09/08/2006<br>BELARDETTI, FRANCESCO<br>Exec Dt: 09/08/2006 | NEUROMED PHARMACEUTICALS LTD. | 01/8373/0882 | 10/6/2006  |                               |              |           |
| 4/8/2003   | 10405868 | 6943168 | 9/13/2005 | Terrence Snutch, Gerald Zamponi, Hassan Paljouhesh, Hossein Paljouhesh, Francesco Belardetti | SNUTCH, TERRANCE P.<br>Exec Dt: 09/08/2003<br>ZAMPOINI, GERALD W.<br>Exec Dt: 09/11/2003<br>PALJOUESH, HASSAN<br>Exec Dt: 09/09/2003<br>PALJOUESH, HOSSEIN<br>Exec Dt: 09/08/2003<br>BELARDETTI, FRANCESCO<br>Exec Dt: 09/08/2003 | NEUROMED TECHNOLOGIES, INC.   | 01/4310/0093 | 12/31/2003 | NEUROMED PHARMACEUTICALS LTD. | 01/8059/0664 | 8/11/2006 |

## APPENDIX A

Attorney Docket No.: 50758/001001

|          |          |         |          |  |   |                               |             |           |                                  |             |          |
|----------|----------|---------|----------|--|---|-------------------------------|-------------|-----------|----------------------------------|-------------|----------|
| 4/9/2004 | 10821389 | NA      | NA       | Terrance Smith, Gerald<br>Werner Zamponi, Hassan<br>Paolouesh, Francesco<br>Belardetti, Hossein<br>Paolouesh | SMUTCH, TERRANCE P.<br>Emc Dt: 07/28/2004<br>ZAMPONI, GERALD W.<br>Emc Dt: 08/20/2004<br>PALOUHESH, HASSAN<br>Emc Dt: 08/16/2004<br>BELARDETTI, FRANCESCO<br>Emc Dt: 08/16/2004<br>PALOUHESH, HOSSEIN<br>Emc Dt: 07/28/2004 | NEUROMED TECHNOLOGIES<br>INC. | 013079/0077 | 8/23/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018059/0664 | 8/1/2006 |
| 9/3/2003 | 10653393 | 7186726 | 3/6/2007 | Terrance Smith, Gerald<br>Werner Zamponi, Hassan<br>Paolouesh, Hossein<br>Belardetti, Francesco              | SMUTCH, TERRANCE P.<br>Emc Dt: 01/20/2004<br>ZAMPONI, GERALD W.<br>Emc Dt: 01/14/2004<br>PALOUHESH, HASSAN<br>Emc Dt: 01/21/2004<br>PALOUHESH, HOSSEIN<br>Emc Dt: 01/21/2004<br>BELARDETTI, FRANCESCO<br>Emc Dt: 01/21/2004 | NEUROMED TECHNOLOGIES<br>INC. | 014388/0088 | 1/28/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018059/0664 | 8/1/2006 |
| 4/9/2004 | 10821384 | NA      | NA       | Terrance Smith, Gerald<br>Werner Zamponi, Hassan<br>Paolouesh, Hossein<br>Belardetti, Francesco              | SMUTCH, TERRANCE P.<br>Emc Dt: 07/28/2004<br>ZAMPONI, GERALD W.<br>Emc Dt: 08/20/2004<br>PALOUHESH, HASSAN<br>Emc Dt: 08/16/2004<br>BELARDETTI, FRANCESCO<br>Emc Dt: 08/16/2004<br>PALOUHESH, HOSSEIN<br>Emc Dt: 07/28/2004 | NEUROMED TECHNOLOGIES<br>INC. | 015088/0764 | 8/26/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018059/0664 | 8/1/2006 |

## APPENDIX A

|           |          |         |            |   |   |                                  |             |            |                                  |             |           |
|-----------|----------|---------|------------|---|---|----------------------------------|-------------|------------|----------------------------------|-------------|-----------|
| 8/27/2004 | 10928564 | NA      | NA         | Hassan Paqouesh,<br>Hossein Paqouesh,<br>Yanbing Ding, Terrance<br>Snutch | PAQOUSH, HASSAN<br>Exec Dt: 12/09/2004<br>DING, YANBING<br>Exec Dt: 12/09/2004<br>PAQOUSH, HOSEIN<br>Exec Dt: 12/09/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 12/09/2004    | NEUROMED TECHNOLOGIES<br>INC.    | 015468/0179 | 12/15/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018099/0664 | 8/11/2006 |
| 2/25/1998 | 09036482 | NA      | NA         | Terrance Snutch, David L<br>Baillie                                       | SNUTCH, TERRY P.<br>Exec Dt: 05/27/1998<br>BAILLIE, DAVID L.<br>Exec Dt: 05/27/1998   | NEUROMED TECHNOLOGIES<br>INC.    | 009338/0975 | 6/21/1998  | NEUROMED<br>PHARMACEUTICALS LTD. | 024933/0514 | 9/9/2010  |
| 7/12/1999 | 09346794 | 7297504 | 11/20/2007 | Terrance Snutch, David L<br>Baillie                                       | SNUTCH, TERRY P.<br>Exec Dt: 09/08/2006<br>BAILLIE, DAVID L.<br>Exec Dt: 09/11/2006   | NEUROMED<br>PHARMACEUTICALS LTD. | 018777/0540 | 9/18/2006  |                                  |             |           |
| 7/6/2000  | 09611357 | 7157263 | 1/2/2007   | Terrance Snutch, David L<br>Baillie                                       | SNUTCH, TERRANCE P.<br>Exec Dt: 10/07/2000<br>BAILLIE, DAVID L.<br>Exec Dt: 10/07/2000  | NEUROMED TECHNOLOGIES<br>INC.    | 011134/0935 | 12/4/2000  | NEUROMED<br>PHARMACEUTICALS LTD. | 018099/0664 | 8/11/2006 |
| 1/3/2007  | 11649452 | 7517672 | 4/14/2009  | Terrance Snutch, David L<br>Baillie                                       | SNUTCH, TERRANCE P.<br>Exec Dt: 10/07/2000<br>BAILLIE, DAVID L.<br>Exec Dt: 10/07/2000  | NEUROMED TECHNOLOGIES<br>INC.    | 013970/0650 | 5/9/2007   | NEUROMED<br>PHARMACEUTICALS LTD. | 027298/0092 | 2/21/2009 |
| 1/9/2007  | 11649451 | 7551263 | 3/10/2009  | Terrance Snutch, David L<br>Baillie                                       | SNUTCH, TERRANCE P.<br>Exec Dt: 10/07/2000<br>BAILLIE, DAVID L.<br>Exec Dt: 10/07/2000  | NEUROMED TECHNOLOGIES<br>INC.    | 013970/0650 | 5/9/2007   | NEUROMED<br>PHARMACEUTICALS LTD. | 024933/0514 | 9/9/2010  |
| 2/28/2003 | 10377090 | NA      | NA         | Terrance Snutch   | SNUTCH, TERRANCE P.<br>Exec Dt: 05/27/2003<br>BAILLIE, DAVID L.<br>Exec Dt: 10/07/2000  | NEUROMED TECHNOLOGIES<br>INC.    | 015097/0540 | 8/21/2004  | NEUROMED<br>PHARMACEUTICALS LTD. | 018099/0664 | 8/11/2006 |
| 1/7/2004  | 10754085 | 7270949 | 9/18/2007  | Francesco Belardetti,<br>Diana Jarrie, David<br>Parker, Terrance Snutch   | BLARDETTI, FRANCESCO<br>Exec Dt: 05/14/2004<br>JARRIE, DIANA<br>Exec Dt: 05/14/2004<br>PARKER, DAVID<br>Exec Dt: 05/14/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 05/14/2004 | NEUROMED TECHNOLOGIES<br>INC.    | 014661/0765 | 5/21/2004  | NEUROMED<br>PHARMACEUTICALS LTD. | 018099/0664 | 8/11/2006 |

## APPENDIX A

Attorney Docket No.: 50758/001001

|           |          |         |           |   |   |                               |   |            |                                  |             |           |
|-----------|----------|---------|-----------|---|---|-------------------------------|---|------------|----------------------------------|-------------|-----------|
| 5/26/2004 | 10556931 | 7244758 | 7/17/2007 | Hassan Pajouhesh,<br>Terrance Snutch, Hossein<br>Pajouhesh, Yanning Ding              | PAJOUHESH, HASSAN<br>Exec Dt: 09/14/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 09/14/2004<br>PAJOUHESH, HOSSEIN<br>Exec Dt: 09/14/2004<br>DING, YANBING<br>Exec Dt: 09/14/2004                                       | NEUROMED TECHNOLOGIES<br>INC. | 015370/0062   | 9/23/2004  | NEUROMED<br>PHARMACEUTICALS LTD. | 018959/0464 | 8/11/2006 |
| 8/12/2004 | 10558602 | 7155893 | 3/27/2007 | David Parker, Xianghong<br>Xu, Afshen Khawaja,<br>Terrance Snutch,<br>Terrance Snutch | PARKER, DAVID<br>Exec Dt: 12/08/2004<br>XU, XIANGHONG<br>Exec Dt: 12/08/2004<br>KHAWAJA, AFSHEEN<br>Exec Dt: 12/08/2004<br>MIZEYOVA, JANETTE<br>Exec Dt: 12/08/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 12/08/2004 | NEUROMED TECHNOLOGIES<br>INC. | 015490/0556   | 12/22/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018959/0464 | 8/11/2006 |
| 8/23/2004 | 10554081 | 7179895 | 2/20/2007 | David Parker, Xianghong<br>Xu, Afshen Khawaja,<br>Terrance Snutch                     | PARKER, DAVID<br>Exec Dt: 12/08/2004<br>XU, XIANGHONG<br>Exec Dt: 12/08/2004<br>KHAWAJA, AFSHEEN<br>Exec Dt: 12/08/2004<br>MIZEYOVA, JANETTE<br>Exec Dt: 12/08/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 12/08/2004 | NEUROMED TECHNOLOGIES<br>INC. | 016136/0738<br>(CORRECTION TO THE<br>SPELLING OF THE<br>THIRD ASSIGNOR,<br>AND THE ASSIGNEE<br>ADDRESS) | 12/22/2004 | NEUROMED<br>PHARMACEUTICALS LTD. | 018959/0464 | 8/11/2006 |

## APPENDIX A

Attorney Docket No.: 50758/001/001

|           |          |         |            |   |   |                               |             |            |                               |             |           |
|-----------|----------|---------|------------|---|---|-------------------------------|-------------|------------|-------------------------------|-------------|-----------|
| 1/9/2007  | 11650813 | 7284485 | 11/13/2007 | David Parker, Xinghong Xu, Afshereh Khawaja, Terrance Snutch        | PARKER, DAVID<br>Exec Dt: 12/08/2004<br>XU, XINGHONG<br>Exec Dt: 12/08/2004<br>KHAWAJA, AFSHEREH<br>Exec Dt: 12/08/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 12/08/2004       | NEUROMED TECHNOLOGIES, INC.   | 039162/0347 | 4/11/2007  | NEUROMED PHARMACEUTICALS LTD. | 039162/0318 | 4/11/2007 |
| 1/22/2004 | 10768974 | 7507160 | 3/24/2009  | Hassan Palouhesh, Hossein Palouhesh, Yandling Ding, Terrance Snutch | PALOUHESH, HASSAN<br>Exec Dt: 05/11/2004<br>PALOUHESH, HOSSEIN<br>Exec Dt: 05/11/2004<br>DING, YANBING<br>Exec Dt: 05/11/2004<br>SNUTCH, TERRANCE P.<br>Exec Dt: 05/12/2004 | NEUROMED TECHNOLOGIES, INC.   | 034687/0562 | 6/2/2004   | NEUROMED PHARMACEUTICALS LTD. | 034687/0564 | 8/11/2006 |
| 8/30/2005 | 11215064 | 7378420 | 5/27/2008  | Hassan Palouhesh, Hossein Palouhesh, Yandling Ding, Terrance Snutch | PALOUHESH, HASSAN<br>Exec Dt: 11/03/2005<br>PALOUHESH, HOSSEIN<br>Exec Dt: 11/03/2005<br>DING, YANBING<br>Exec Dt: 11/03/2005<br>SNUTCH, TERRANCE P.<br>Exec Dt: 11/02/2005 | NEUROMED TECHNOLOGIES, INC.   | 037081/2065 | 11/30/2005 | NEUROMED PHARMACEUTICALS LTD. | 036969/0564 | 8/11/2006 |
| 5/7/2008  | 12116920 | 7693995 | 2/9/2010   | Hassan Palouhesh, Hossein Palouhesh, Yandling Ding, Terrance Snutch | PALOUHESH, HASSAN<br>Exec Dt: 11/03/2005<br>PALOUHESH, HOSSEIN<br>Exec Dt: 11/03/2005<br>DING, YANBING<br>Exec Dt: 11/03/2005<br>SNUTCH, TERRANCE P.<br>Exec Dt: 11/02/2005 | NEUROMED PHARMACEUTICALS LTD. | 031970/0930 | 12/12/2008 |                               |             |           |
| 4/78/2008 | 12111131 | 7669092 | 1/19/2010  | Hassan Palouhesh, Hossein Palouhesh, Yandling Ding, Terrance Snutch | PALOUHESH, HASSAN<br>Exec Dt: 11/03/2005<br>PALOUHESH, HOSSEIN<br>Exec Dt: 11/03/2005<br>DING, YANBING<br>Exec Dt: 11/03/2005<br>SNUTCH, TERRANCE P.<br>Exec Dt: 11/02/2005 | NEUROMED TECHNOLOGIES, INC.   | 031228/0017 | 7/11/2008  | NEUROMED PHARMACEUTICALS LTD. | 031228/0064 | 7/11/2008 |



APPENDIX A

|            |          |         |           |  |   |                                  |             |            |                                  |             |          |
|------------|----------|---------|-----------|--|---|----------------------------------|-------------|------------|----------------------------------|-------------|----------|
| 12/19/2007 | 11351224 | 7511077 | 3/31/2009 | Hassan Papouhesh,<br>Hossein Papouhesh,<br>Yanbing Ding, Terrance<br>Snutch, Francesco<br>Belardetti | PAQOUESH, HASSAN<br>Exec Dt: 05/06/2006<br>PAQOUESH, HOSSEIN<br>Exec Dt: 05/08/2006<br>DING, YANBING<br>Exec Dt: 05/03/2006<br>SNUTCH, TERRANCE P.<br>Exec Dt: 05/03/2006<br>BELARDETTI, FRANCESCO<br>Exec Dt: 05/08/2006 | NEUROMED TECHNOLOGIES,<br>INC.   | 017973/0305 | 6/15/2008  | NEUROMED<br>PHARMACEUTICALS LTD. | 018099/0664 | 8/1/2006 |
| 4/10/2006  | 11910609 | NA      | NA        | Terrance Snutch  | SNUTCH, TERRANCE P.<br>Exec Dt: 06/11/2008  | NEUROMED<br>PHARMACEUTICALS LTD. | 021359/0750 | 7/29/2008  |                                  |             |          |
| 12/18/2006 | 12097035 | NA      | NA        | Hassan Papouhesh,<br>Ramesh Kaul, Yanbing<br>Ding, Gabriel Hum,<br>Hossein Papouhesh                 | PAQOUESH, HASSAN<br>Exec Dt: 11/03/2008<br>KAUL, RAMESH<br>Exec Dt: 11/17/2008<br>DING, YANBING<br>Exec Dt: 10/31/2008<br>HUM, GABRIEL<br>Exec Dt: 11/03/2008<br>PAQOUESH, HOSSEIN<br>Exec Dt: 11/14/2008                 | NEUROMED<br>PHARMACEUTICALS LTD. | 021877/0239 | 11/21/2008 |                                  |             |          |
| 10/17/2008 | 12297956 | NA      | NA        | Richard Holland, Hassan<br>Papouhesh, Hossein<br>Papouhesh   | PAQOUESH, HASSAN<br>Exec Dt: 06/16/2009<br>HOLLAND, RICHARD<br>Exec Dt: 06/16/2009<br>PAQOUESH, HOSSEIN<br>Exec Dt: 06/23/2009  | NEUROMED<br>PHARMACEUTICALS LTD. | 022871/0543 | 6/24/2009  |                                  |             |          |
| 5/25/2007  | 12301873 | NA      | NA        | Hassan Papouhesh,<br>Yanbing Ding  | PAQOUESH, HASSAN<br>Exec Dt: 05/04/2009<br>DING, YANBING<br>Exec Dt: 05/04/2009   | NEUROMED<br>PHARMACEUTICALS LTD. | 022655/0247 | 5/7/2009   |                                  |             |          |
| 3/13/2009  | 12441354 | NA      | NA        | Hassan Papouhesh,<br>Hossein Papouhesh,<br>Yanbing Ding, Richard<br>Holland, Gabriel Hum             | PAQOUESH, HASSAN<br>Exec Dt: 01/21/2010<br>DING, YANBING<br>Exec Dt: 12/17/2009<br>PAQOUESH, HOSSEIN<br>Exec Dt: 01/21/2010<br>HOLLAND, RICHARD<br>Exec Dt: 01/18/2010<br>HUM, GABRIEL<br>Exec Dt: 01/15/2010             | NEUROMED<br>PHARMACEUTICALS LTD. | 022843/0233 | 1/25/2010  |                                  |             |          |

## APPENDIX A

|            |          |    |    |  |  |                                   |                            |                         |  |  |  |
|------------|----------|----|----|--|--|-----------------------------------|----------------------------|-------------------------|--|--|--|
| 10/13/2006 | 12449256 | NA | NA | Hassan Papoulish,<br>Hossein Papoulish,<br>Ramesh Kaul   | PALOUHESH, HASSAN<br>Exec Dt: 11/24/2009<br>PALOUHESH, HOSSEIN<br>Exec Dt: 11/24/2009<br>KAUL, RAMESH<br>Exec Dt: 01/20/2010   | NEURONMED<br>PHARMACEUTICALS LTD. | 023842/0843                | 11/29/2010              |  |  |  |
| 3/4/2008   | 12042277 | NA | NA | Hassan Papoulish, Yumoi<br>Zhou, Nagaree Chalka,<br>Francisco Belardetti,<br>Richard Holland   | PALOUHESH, HASSAN<br>Exec Dt: 04/18/2008<br>CHALKA, NAGAREE<br>Exec Dt: 04/18/2008<br>ZHOU, YUANKI<br>Exec Dt: 04/18/2008<br>BELARDETTI, FRANCESCO<br>Exec Dt: 04/18/2008<br>HOLLAND, RICHARD<br>Exec Dt: 12/17/2008   | NEURONMED<br>PHARMACEUTICALS LTD. | 020536/0854                | 5/12/2008               |  |  |  |
| 5/9/2008   | 13118492 | NA | NA | Hassan Papoulish,<br>Yinbing Ding, Jason Tan,<br>Mike Grimwood,<br>Francisco Belardetti,<br>Richard Holland,<br>Holland, Nengqi Chahid | PALOUHESH, HASSAN<br>Exec Dt: 05/09/2008<br>PALOUHESH, HOSSEIN<br>Exec Dt: 05/09/2008<br>DING, YINBING<br>Exec Dt: 05/09/2008<br>TAN, JASON<br>Exec Dt: 05/09/2008<br>GRIMWOOD, MIKE<br>Exec Dt: 05/09/2008<br>BELARDETTI, FRANCESCO<br>Exec Dt: 05/09/2008<br>KAUL, RAMESH<br>Exec Dt: 05/09/2008 | NEURONMED<br>PHARMACEUTICALS LTD. | 022094/0400<br>021087/0194 | 12/18/2008<br>6/12/2008 |  |  |  |
| 4/28/2009  | 12439574 | NA | NA | Robert Anthony<br>Giammo, Richard<br>Holland, Gabriel Hum  | GALEMMO, ROBERT, JR.<br>Exec Dt: 05/13/2009<br>HOLLAND, RICHARD<br>Exec Dt: 05/13/2009<br>HUM, GABRIEL<br>Exec Dt: 05/25/2009  | NEURONMED<br>PHARMACEUTICALS LTD. | 022535/0588<br>022871/0517 | 4/9/2009<br>6/24/2009   |  |  |  |

## APPENDIX A

Attorney Docket No. 50758/001001

|           |          |    |    |  |  |                               |             |           |  |  |
|-----------|----------|----|----|--|--|-------------------------------|-------------|-----------|--|--|
| 4/28/2009 | 12431077 | NA | NA | Robert Anthony Galemmo, Richard Holland, Gabriel Hum, Richard Korman, Noriaki Chahai, Makoto Saito, Bagherzadeh, Amy Givard  | GALEMMO, ROBERT, JR.<br>Exec Dt: 06/16/2009<br>HOLLAND, RICHARD<br>Exec Dt: 05/21/2009<br>HUM, GABRIEL<br>Exec Dt: 05/25/2009<br>PAOURESH, HOSSEIN<br>Exec Dt: 05/21/2009<br>CHAHAI, NORIAKI<br>Exec Dt: 05/22/2009<br>SEID-BAGHERZADEH, MEHRAN<br>Exec Dt: 05/28/2009   | NEUROMED PHARMACEUTICALS LTD. | 022871/0539 | 6/24/2009 |  |  |
| 4/28/2009 | 12431083 | NA | NA | Robert Anthony Galemmo, Gabriel Hum  | GIVARD, AMY<br>Exec Dt: 08/02/2009<br>GALEMMO, ROBERT, JR.<br>Exec Dt: 06/16/2009<br>HUM, GABRIEL<br>Exec Dt: 05/25/2009   | NEUROMED PHARMACEUTICALS LTD. | 022871/0538 | 6/24/2009 |  |  |
| 4/8/2009  | 12420793 | NA | NA | Nagarajee Chakka, Mike Grimwood, Jason Tan, Tunde Zhou, Nirmesh Kulkarni, Ramesh Kulkarni, Yanyan Zhong, Ding, Yanning Zhang | PAOURESH, HASSAN<br>Exec Dt: 05/21/2009<br>KULKARNI, RAMESH<br>Exec Dt: 05/23/2009<br>DING, YANNING<br>Exec Dt: 05/21/2009<br>ZHOU, YONGBAO<br>Exec Dt: 05/26/2009<br>ZHANG, LINGYUN<br>Exec Dt: 05/26/2009<br>CHAKKA, NAGARAJEE<br>Exec Dt: 06/02/2009<br>GRIMWOOD, MIKE<br>Exec Dt: 05/21/2009<br>TAN, JASON<br>Exec Dt: 05/29/2009<br>ZHOU, YUANKI<br>Exec Dt: 05/26/2009 | NEUROMED PHARMACEUTICALS LTD. | 022896/0001 | 6/20/2009 |  |  |

## APPENDIX A

|           |            |    |    |  |   |                                  |             |            |                                |             |            |
|-----------|------------|----|----|--|---|----------------------------------|-------------|------------|--------------------------------|-------------|------------|
| 4/6/2009  | 1.14.20785 | NA | NA | Hasan Pajouhesh,<br>Ramesh Kaul, Mike<br>Grinwood, Jason Yin,<br>Yuanxi Zhou | PAQJUEHSH, HASSAN<br>Exec Dt: 05/21/2009<br>KAUL, RAMESH<br>Exec Dt: 05/23/2009<br>GRINWOOD, MIKE<br>Exec Dt: 05/21/2009<br>YAN, JASON<br>Exec Dt: 05/29/2009<br>ZHOU, YUANXI<br>Exec Dt: 05/16/2009                | NEUROMED<br>PHARMACEUTICALS LTD. | 022840/0311 | 16/17/2009 |                                |             |            |
| 5/4/2009  | 6.1246113  | NA | NA | Hasan Pajouhesh,<br>Yanling Ding, Mike<br>Grinwood, Yongqiao Zhu             | PAQJUEHSH, HASSAN<br>Exec Dt: 03/16/2010<br>GRINWOOD, MIKE<br>Exec Dt: 02/16/2010<br>ZHU, YONGQIAO<br>Exec Dt: 02/22/2010<br>DING, YANLING<br>Exec Dt: 02/22/2010   | NEUROMED<br>PHARMACEUTICALS LTD. | 024095/0787 | 03/17/2010 | ZALCUS PHARMACEUTICALS<br>LTD. | 025055/0824 | 09/18/2010 |
| 5/4/2009  | 6.1239931  | NA | NA | Hasan Pajouhesh,<br>Yanling Ding   | PAQJUEHSH, HASSAN<br>Exec Dt: 11/24/2009<br>DING, YANLING<br>Exec Dt: 12/09/2009  | NEUROMED<br>PHARMACEUTICALS LTD. | 023856/0481 | 12/15/2009 | ZALCUS PHARMACEUTICALS<br>LTD. | 025055/0824 | 09/18/2010 |
| 5/15/2009 | 6.1248892  | NA | NA | Hasan Pajouhesh,<br>Yuanxi Zhou, Mike<br>Grinwood, Eric<br>Simonsen          | PAQJUEHSH, HASSAN<br>Exec Dt: 11/24/2009<br>ZHU, YONGQIAO<br>Exec Dt: 12/02/2009<br>ZHOU, YUANXI<br>Exec Dt: 12/02/2009<br>GRINWOOD, MICHAEL EDWARD<br>Exec Dt: 11/24/2009<br>SIMONSEN, ERIC<br>Exec Dt: 12/02/2009 | NEUROMED<br>PHARMACEUTICALS LTD. | 023856/0390 | 12/15/2009 | ZALCUS PHARMACEUTICALS<br>LTD. | 025055/0824 | 09/18/2010 |